

ABSTRACT

This invention relates to an ophthalmic refractometer (13) for objective determination of the refractive power of an eye (A) comprising an optometer system for imaging a test mark on the retina of the eye (A) and comprising an observation system (15) for observation of the test mark (18) imaged on the retina, whereby the optometer system and the observation system can be adjusted in mutual synchronization in relation to a reference setting, and a refractive power parameter of the eye (A) can be determined from the difference between the setting at which the test mark (18) is imaged on the retina at least partially with sharp contours and the reference setting. A digital recording device (42) and a digital image processing unit are provided on the observation system, whereby digital image data of the test mark (18) imaged on the retina can be recorded using the recording device (42) and the resulting image data can be analyzed in the image processing unit by digital image processing to determine the refractive power parameter.

(Fig. 5)